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ERRATUM

Erratum to: Preservation of blood glucose homeostasis in slow-senescing somatotrophism-deficient mice subjected to intermittent fasting begun at middle or old age

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Tables detailing the results of statistical analyses, each of which accompany its corresponding figure panel in Figs. 2, 3, 4, 5, 6, and 7, were omitted from the original version. As those tables are integral to the comprehension and inference (as well as for potential independent interpretations) of those results, they have been appropriately inserted in this version.

The online version of the original article can be found at http://dx.doi.org/10.1007/s11357-014-9651-2.

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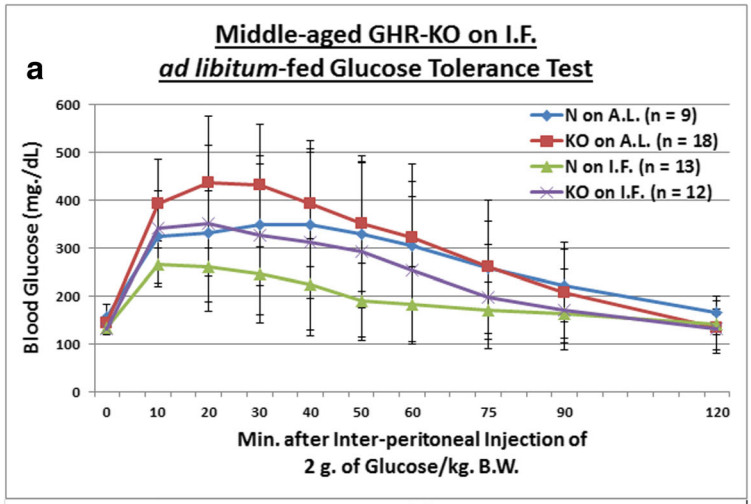
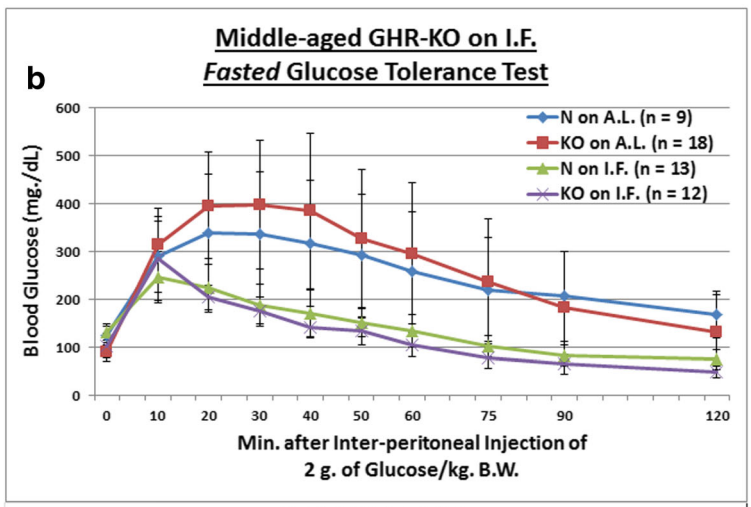


M.A. GHR-KO A.L.-fed G.T.T.

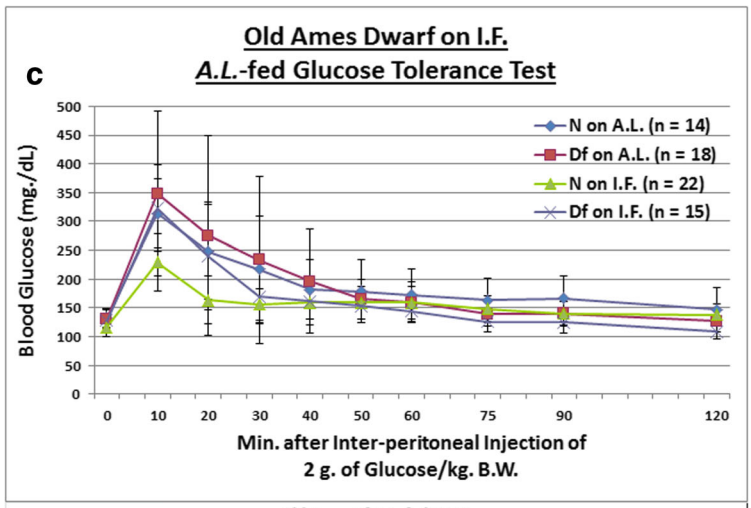
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* KO on A.L.		0.7291	0.4512	0.3265	0.2385	0.1636	0.1004	0.0702	0.0493	0.0485
N on A.L. *vs.* N on I.F.		0.8916	0.9633	0.5458	0.1829	0.0479	0.0109	0.0029	0.0016	0.0023
N on A.L. *vs.* KO on I.F.		0.6366	0.4328	0.6504	0.9677	0.7358	0.4673	0.2871	0.2129	0.2083
KO on A.L. *vs.* KO on I.F.		0.9548	0.955	0.5412	0.226	0.0755	0.0169	0.0042	0.0014	0.0012



M.A. GHR-KO Fasted G.T.T.

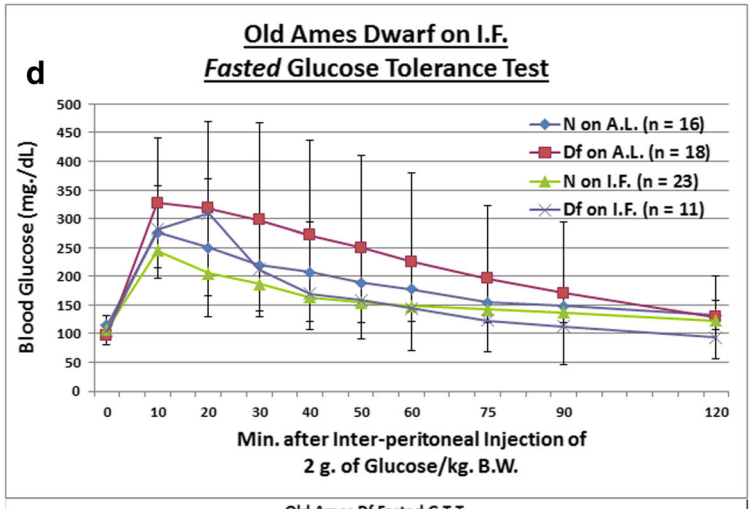
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* KO on A.L.		0.9947	0.8858	0.8315	0.8203	0.8368	0.8288	0.8616	0.8937	0.9152
N on A.L. *vs.* N on I.F.		0.0243	3.0E-05	5.9E-09	8.9E-13	1.3E-16	8.9E-20	3.5E-20	9.8E-20	1.1E-18
N on A.L. *vs.* KO on I.F.		0.12	0.0003	1.1E-07	1.7E-11	1.7E-14	1.3E-17	3.9E-18	7.6E-18	5.3E-17
KO on A.L. *vs.* KO on I.F.		0.1001	0.0001	1.3E-08	8.7E-13	7.2E-16	3.6E-19	1.4E-19	4.2E-19	4.7E-18

Fig. 2 Short-term IF improved dynamics of blood glucose assimilation in middle-aged GHR-KO females and old Ames Dwarf males. **a** AL-fed glucose tolerance test (absolute values, with statistical analysis table) showing detrimental effect of KO phenotype and beneficial effects of short-term IF diet on both middle-aged N and middle-aged KO female mice. **b** Fasted glucose tolerance test (absolute values, with statistical analysis table) showing beneficial effects of short-term IF diet on both middle-aged N and middle-aged KO female mice. **c** AL-fed glucose tolerance test (absolute values, with statistical analysis table) showing beneficial effect of IF diet on old N littermate control male mice. **d** Fasted glucose tolerance test (absolute values, with statistical analysis table) showing detrimental effect of Df phenotype, and beneficial effect of IF diet on old Df male mice. All measures of central tendency are arithmetic means, and all depictions of variation (*error bars*) represent standard deviations (*SD*) (see also Figs. S1–S8)



Old Ames Df A.L.-fed G.T.T.

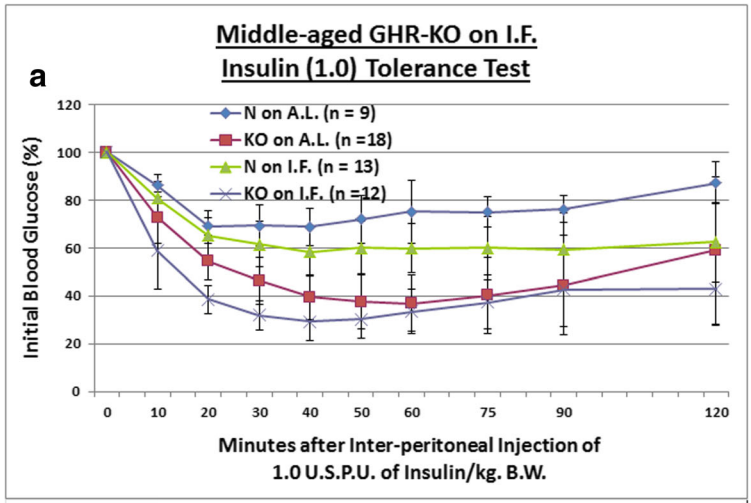
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* Df on A.L.		0.822	0.6734	0.6151	0.7359	0.6902	0.6853	0.5906	0.4573	0.4196
N on A.L. *vs.* N on I.F.		0.5732	0.2112	0.0833	0.0999	0.1085	0.1252	0.1102	0.0753	0.0802
N on A.L. *vs.* Df on I.F.		0.8823	0.8717	0.4602	0.4123	0.3668	0.297	0.1956	0.1063	0.0781
Df on A.L. *vs.* Df on I.F.		0.6699	0.7591	0.8393	0.6276	0.6067	0.5037	0.4231	0.3518	0.2984



Old Ames Df Fasted G.T.T.

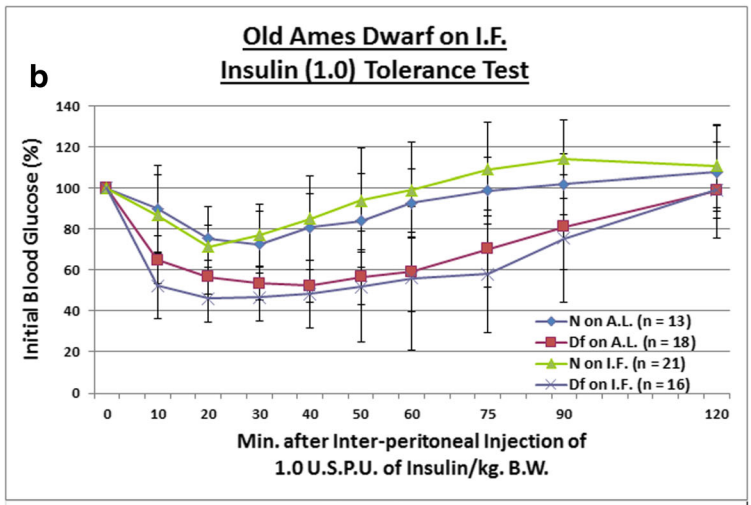
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* Df on A.L.		0.312	0.0773	0.0181	0.0072	0.0029	0.0015	0.0007	0.0004	0.0005
N on A.L. *vs.* N on I.F.		0.6942	0.4831	0.4602	0.5484	0.5663	0.586	0.476	0.4236	0.4123
N on A.L. *vs.* Df on I.F.		0.7627	0.4701	0.5592	0.8221	0.9715	0.881	0.8064	0.7059	0.6203
Df on A.L. *vs.* Df on I.F.		0.4572	0.2833	0.0677	0.0131	0.0034	0.0011	0.0003	0.0002	0.0001

Fig. 2 (continued)



M.A. GHR-KO I.T.T.

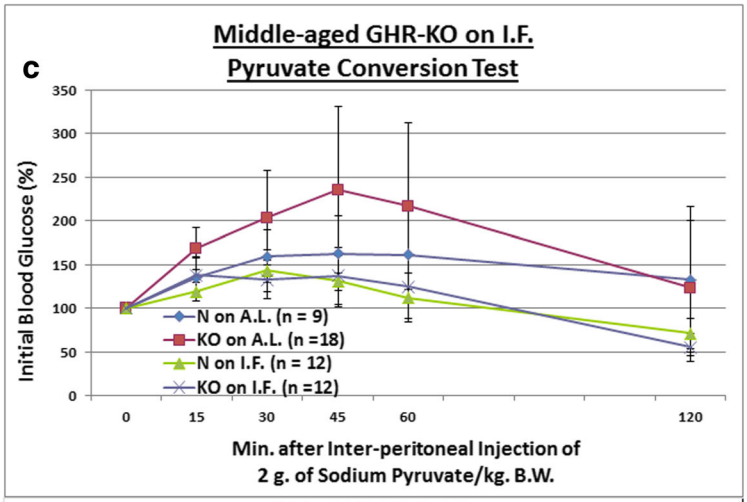
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* KO on A.L.		0.5847	0.5913	0.5309	0.4296	0.3149	0.2301	0.2079	0.2132	0.3124
N on A.L. *vs.* N on I.F.		0.5534	0.5502	0.4668	0.5178	0.648	0.7257	0.887	0.9264	0.9865
N on A.L. *vs.* KO on I.F.		0.1847	0.1361	0.0824	0.0538	0.0497	0.0462	0.0605	0.0899	0.0744
KO on A.L. *vs.* KO on I.F.		0.3677	0.2764	0.2048	0.1902	0.2617	0.3429	0.4538	0.5805	0.3902



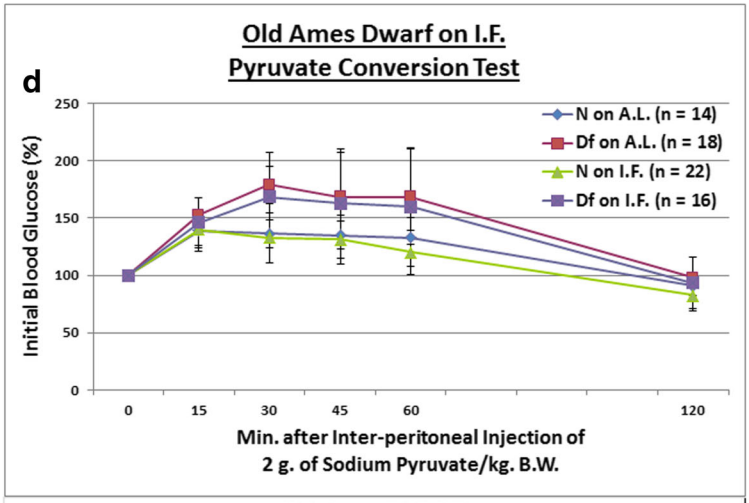
Old Ames Df I.T.T.

Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* Df on A.L.		0.0627	0.0175	0.0094	0.0014	0.0007	0.0001	0.0002	0.0003	0.0006
N on A.L. *vs.* N on I.F.		0.0666	0.0189	0.015	0.0065	0.0071	0.0053	0.0054	0.0095	0.0151
N on A.L. *vs.* Df on I.F.		0.0174	0.0016	0.0004	0.0001	2.0E-05	5.0E-06	4.5E-07	2.3E-07	8.5E-07
Df on A.L. *vs.* Df on I.F.		0.1379	0.0545	0.0316	0.03	0.0186	0.0184	0.0041	0.0021	0.0031

Fig. 3 Short-term IF improved kinetics of insulin-mediated blood glucose clearance in middle-aged GHR-KO females and old Ames Dwarf males, and decreased gluconeogenesis in middle-aged GHR-KO females. **a** Insulin tolerance test (normalized values, with statistical analysis table) showing beneficial effect of KO phenotype and a combined sensitizing effect of both factors on middleaged N littermate control females. **b** Insulin tolerance test (normalized values, with statistical analysis table) showing sensitizing effect of Df phenotype, sensitizing effects of IF on both old N males and old Df mutant males, and a combined sensitizing effect of both factors on old N males. **c** Pyruvate conversion test (normalized values, with statistical analysis table) showing promoting effect of KO phenotype and repressive effects of short-term IF diet on both middle-aged N and middle-aged KO females. **d** Pyruvate conversion test (normalized values, with statistical analysis table) showing promoting effect of Df phenotype. All measures of central tendency are arithmetic means, and all depictions of variation (*error bars*) represent standard deviations (*SD*) (see also Figs. S9–S16)

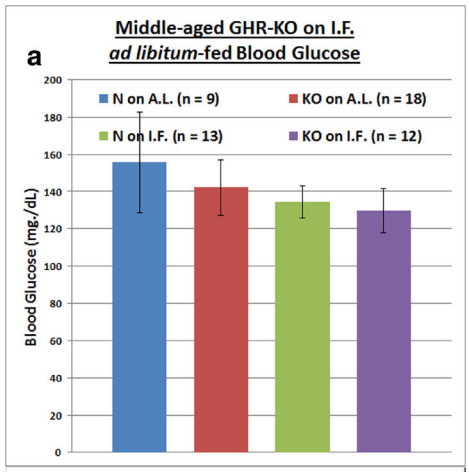


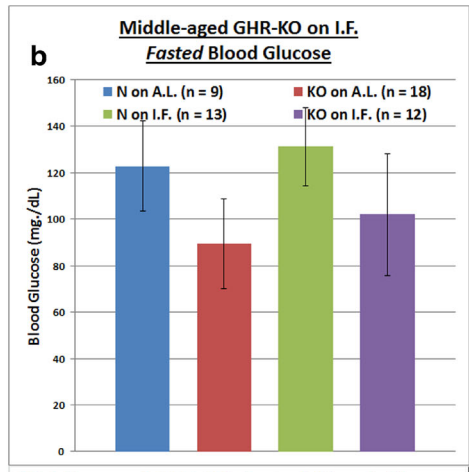
M.A. GHR-KO P.C.T.						
Comparison	0 min.	15 min.	30 min.	45 min.	60 min.	120 min.
N on A.L. *vs.* KO on A.L.		0.7096	0.3793	0.142	0.0533	0.099
N on A.L. *vs.* N on I.F.		0.0318	0.001	2.5E-05	5.6E-08	5.1E-10
N on A.L. *vs.* KO on I.F.		0.0692	0.0011	1.9E-05	4.1E-08	2.3E-10
KO on A.L. *vs.* KO on I.F.		0.0285	0.0001	4.1E-07	1.3E-10	1.1E-12



Old Ames Df P.C.T.						
Comparison	0 min.	15 min.	30 min.	45 min.	60 min.	120 min.
N on A.L. *vs.* Df on A.L.		0.4786	0.0861	0.0288	0.0186	0.0503
N on A.L. *vs.* N on I.F.		0.7734	0.3674	0.2456	0.2565	0.3542
N on A.L. *vs.* Df on I.F.		0.7743	0.2652	0.1007	0.0512	0.0794
Df on A.L. *vs.* Df on I.F.		0.6144	0.4967	0.633	0.7604	0.8739

Fig. 3 (continued)



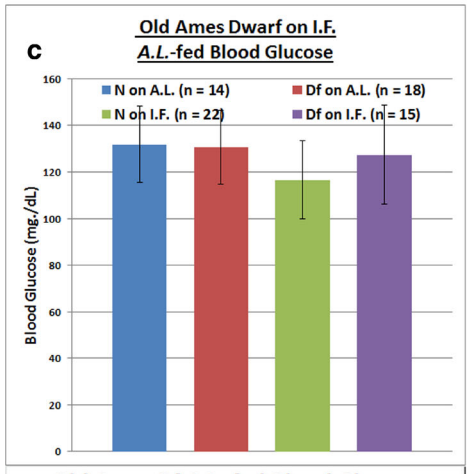


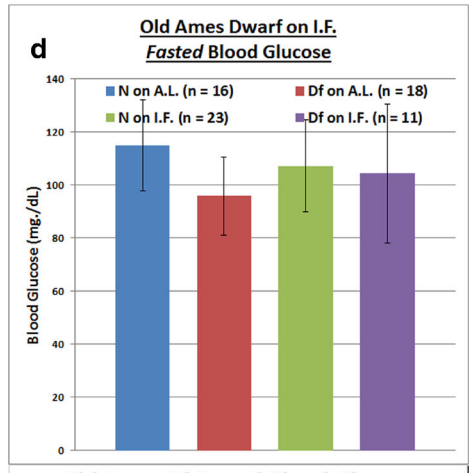
Middle-aged GHR-KO A.L.-fed Blood Glucose

Comparison	*p*-value
N on A.L. *vs.* KO on A.L.	0.6736
N on A.L. *vs.* N on I.F.	0.0059
N on A.L. *vs.* KO on I.F.	0.0086
KO on A.L. *vs.* KO on I.F.	0.0157

Middle-aged GHR-KO Fasted Blood Glucose

Comparison	*p*-value
N on A.L. *vs.* KO on A.L.	0.4513
N on A.L. *vs.* N on I.F.	0.0498
N on A.L. *vs.* KO on I.F.	0.1637
KO on A.L. *vs.* KO on I.F.	0.0333





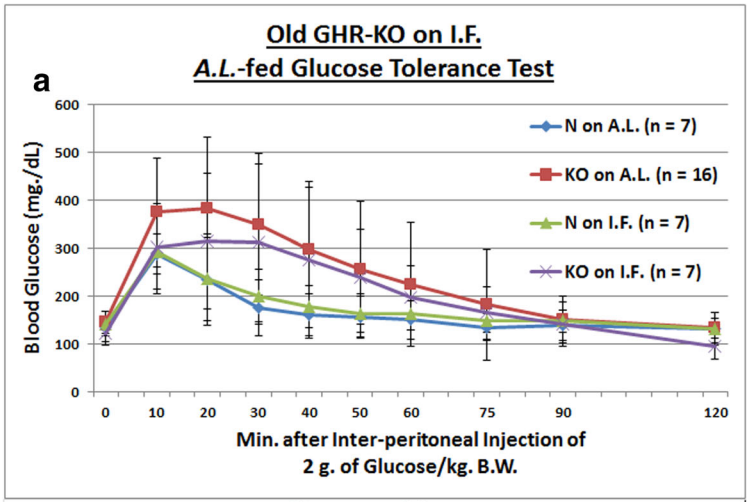
Old Ames Df A.L.-fed Blood Glucose

Comparison	*p*-value
N on A.L. *vs.* Df on A.L.	0.264
N on A.L. *vs.* N on I.F.	0.0139
N on A.L. *vs.* Df on I.F.	0.1325
Df on A.L. *vs.* Df on I.F.	0.522

Old Ames Df Fasted Blood Glucose

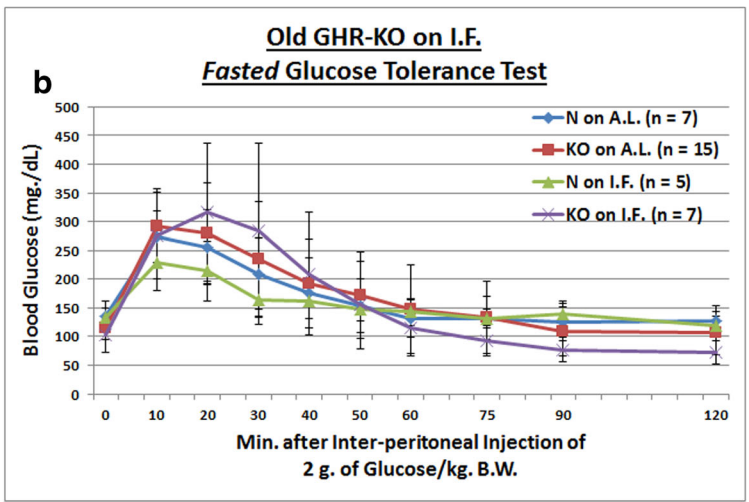
Comparison	*p*-value
N on A.L. *vs.* Df on A.L.	0.0164
N on A.L. *vs.* N on I.F.	0.0471
N on A.L. *vs.* Df on I.F.	0.1384
Df on A.L. *vs.* Df on I.F.	0.6883

Fig. 4 Differential effects of phenotype or diet on AL-fed or fasted blood glucose concentrations at middle-aged (for GHR-KO Mice) or old (for Ames Dwarfs) age range. **a** AL-fed testing of middleaged GHR-KO female mice after short-term IF (with statistical analysis table) showing blood glucose-lowering effects of IF diet for both middle-aged N female littermate mice and middle-aged female KO mutants, and an *additive* (lowering) effect of KO phenotype and IF diet on middle-aged N female littermate controls. **b** Fasted assessment of middle-aged GHR-KO females after shortterm IF (with statistical analysis table) exhibiting blood glucose-*increasing* effects of IF diet for both middle-aged N female littermates and middle-aged KO female mutants. **c** AL-fed testing of old Ames Dwarf male mice after short-term IF (with statistical analysis table) displaying blood glucose-lowering effect of IF diet on old N littermatemales. **d** Fasted assessment of old Ames Dwarf males after short-term IF (with statistical analysis table) demonstrating blood glucose-lowering effect of Df phenotype as well as beneficial effect of IF diet on old N littermate males. All measures of central tendency are arithmetic means, and all depictions of variation (*error bars*) represent standard deviations (*SD*)



Old GHR-KO A.L.-fed G.T.T.

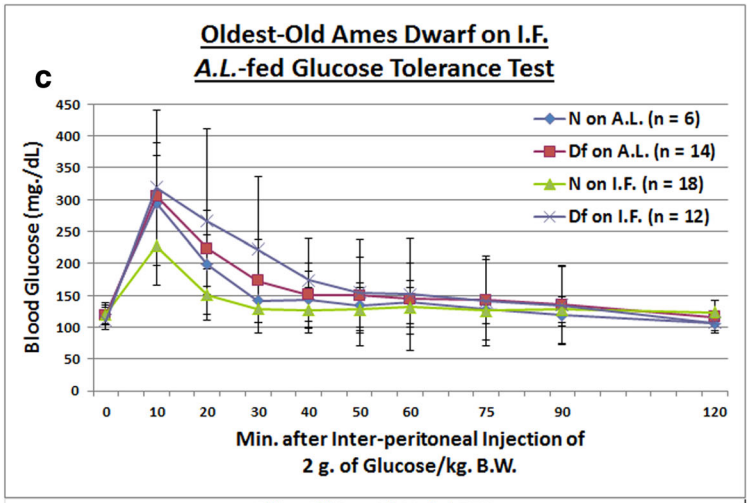
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* KO on A.L.		0.9907	0.598	0.3739	0.2937	0.2556	0.2566	0.3086	0.3343	0.3744
N on A.L. *vs.* N on I.F.		0.8866	0.8916	0.9253	0.7864	0.7065	0.6622	0.6632	0.5912	0.6811
N on A.L. *vs.* KO on I.F.		0.8106	0.8258	0.9671	0.7921	0.6552	0.5944	0.5748	0.506	0.6024
KO on A.L. *vs.* KO on I.F.		0.7837	0.4681	0.4376	0.4948	0.5609	0.6142	0.7053	0.8232	0.768



Old GHR-KO Fasted G.T.T.

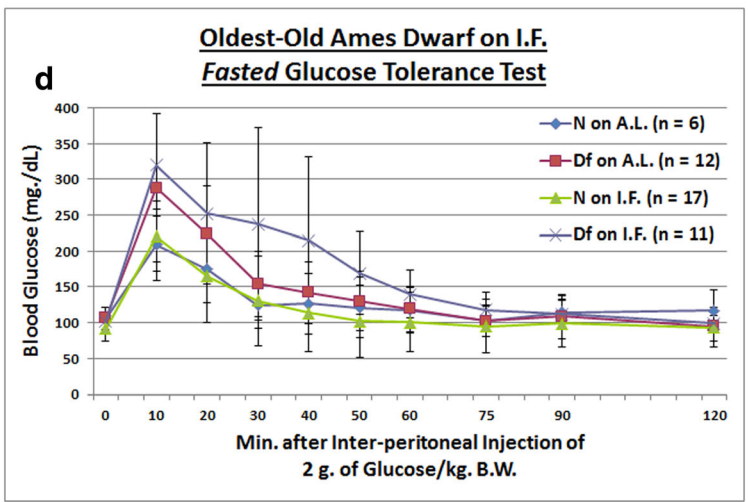
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* KO on A.L.		0.7949	0.3689	0.1663	0.0843	0.0486	0.0302	0.0239	0.024	0.024
N on A.L. *vs.* N on I.F.		0.9704	0.3527	0.1133	0.038	0.0212	0.0134	0.0128	0.0118	0.0145
N on A.L. *vs.* KO on I.F.		0.7417	0.1728	0.0302	0.0077	0.005	0.0044	0.0061	0.0084	0.0123
KO on A.L. *vs.* KO on I.F.		0.9064	0.4847	0.2333	0.1477	0.1638	0.2142	0.2905	0.3487	0.4224

Fig. 5 Differential effects of phenotype or diet on AL-fed or fasted blood glucose concentrations at old (for GHR-KO mice) or oldest-old (for Ames Dwarfs) age range. **a** AL-fed testing of old GHR-KO female mice after longer-term IF (with statistical analysis table) showing blood glucose-lowering effect of a combination of KO phenotype and IF diet for old KO littermate control females. **b** Fasted assessment of old GHR-KO females after longer-term IF (with statistical analysis table) exhibiting no blood-glucose lowering effect of either KO phenotype, IF diet, or combination of KO phenotype and IF diet. **c** AL-fed testing of oldest-old Ames Dwarf male mice after longer-term IF (with statistical analysis table) displaying no blood glucose-lowering effect of either Df phenotype, IF diet, or combination of the two factors. **d** Fasted assessment of oldest-old Ames Dwarf male mice after longer-term IF (with statistical analysis table) demonstrating no blood glucose lowering effect of either Df phenotype, IF diet, or combination of the two. All measures of central tendency are arithmetic means, and all depictions of variation (*error bars*) represent standard deviations (*SD*)



Oldest-Old Ames Df A.L.-fed G.T.T.

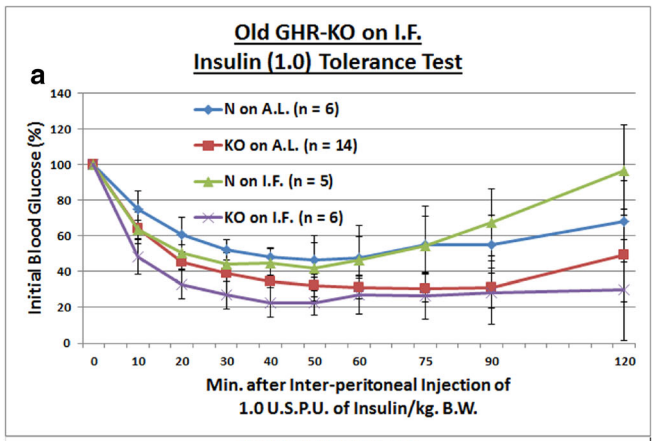
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* Df on A.L.		0.7402	0.6584	0.7824	0.7395	0.7886	0.7626	0.8382	0.9553	0.9061
N on A.L. *vs.* N on I.F.		0.5718	0.4763	0.7640	0.8074	0.9012	0.9323	0.9633	0.8057	0.6871
N on A.L. *vs.* Df on I.F.		0.9388	0.6416	0.3348	0.268	0.2285	0.2075	0.1779	0.1385	0.1259
Df on A.L. *vs.* Df on I.F.		0.556	0.1732	0.0462	0.0205	0.0149	0.0098	0.0093	0.0083	0.0121



Oldest-Old Ames Df Fasted G.T.T.

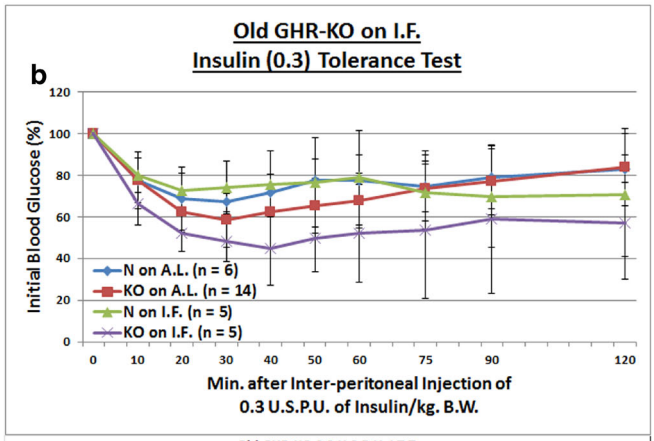
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* Df on A.L.		0.2794	0.1666	0.0922	0.0844	0.1031	0.1292	0.1461	0.1827	0.2685
N on A.L. *vs.* N on I.F.		0.2799	0.1807	0.0918	0.0894	0.1144	0.1299	0.1331	0.1481	0.1984
N on A.L. *vs.* Df on I.F.		0.1381	0.028	0.0032	0.0006	0.0002	0.0001	0.0001	0.0002	0.0003
Df on A.L. *vs.* Df on I.F.		0.3055	0.0749	0.0046	0.0002	2.7E-05	1.1E-05	8.8E-06	9.0E-06	1.2E-05

Fig. 5 (continued)



Old GHR-KO 1.0 U.S.P.U. I.T.T.

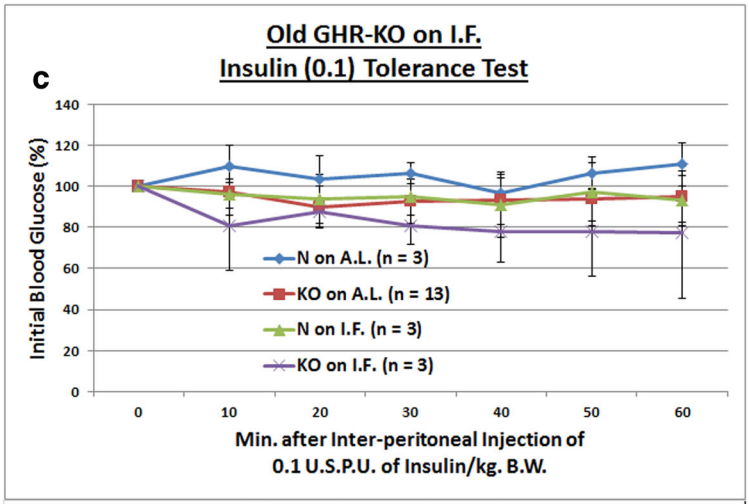
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* KO on A.L.		0.7666	0.6564	0.6645	0.6106	0.5637	0.5262	0.4642	0.3662	0.3748
N on A.L. *vs.* N on I.F.		0.3849	0.2952	0.2644	0.2421	0.2239	0.2721	0.3768	0.6385	0.9953
N on A.L. *vs.* KO on I.F.		0.267	0.1536	0.1066	0.0724	0.0552	0.0611	0.0682	0.1131	0.1896
KO on A.L. *vs.* KO on I.F.		0.332	0.2421	0.1654	0.1293	0.1121	0.1364	0.1763	0.3447	0.4842



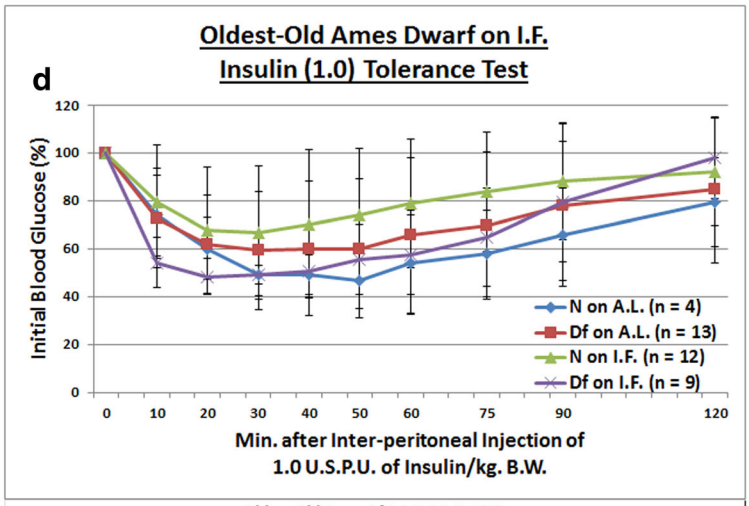
Old GHR-KO 0.3 U.S.P.U. I.T.T.

Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* KO on A.L.		0.9114	0.6542	0.4045	0.1872	0.1158	0.0551	0.0441	0.0474	0.0762
N on A.L. *vs.* N on I.F.		0.5497	0.4194	0.3713	0.1722	0.1027	0.0683	0.0354	0.0175	0.0065
N on A.L. *vs.* KO on I.F.		0.4548	0.3152	0.2411	0.0864	0.0439	0.0223	0.0091	0.0035	0.001
KO on A.L. *vs.* KO on I.F.		0.469	0.5057	0.6388	0.5301	0.4349	0.3921	0.2191	0.1004	0.0258

Fig. 6 Longer-term IF sustained improved kinetics of insulin mediated blood glucose clearance and gluconeogenesis in Old GHR-KO females, but largely *desensitized* oldest-old Ames Dwarf males to insulin's effects on blood glucose. **a** The 1.0 USPU insulin tolerance test (normalized values, with statistical analysis table) showing a combined (sensitizing) effect of both KO phenotype and IF diet on old N female littermates. **b** The 0.3 USPU insulin tolerance test (normalized values, with statistical analysis table) showing sensitizing effect of KO phenotype, sensitizing effects of IF diet on both old female N controls and old female KO mutants, and sensitizing benefit of both KO phenotype and IF diet on old female N littermates. **c** The 0.1 USPU insulin tolerance test (normalized values, with statistical analysis table) showing sensitizing effect of KO phenotype, sensitizing effects of IF diet on both old female N mice and old female KO mutants, and sensitization benefit of both KO phenotype and IF diet on old N females. **d** The 1.0 USPU insulin tolerance test (normalized values, with statistical analysis table) showing desensitizing effect of Df phenotype, de-sensitizing effect of IF diet on oldest-old N males, yet sensitizing effect of IF on oldest-old Df male mice. **e** The 0.3 USPU insulin tolerance test (normalized values, with statistical analysis table) showing de-sensitizing effects of IF on both oldest-old N male mice and oldest-old male Df mutants, as well as desensitizing effect of a combination of both factors on oldest-old N littermate control males. **f** The 0.1 USPU insulin tolerance test (normalized values, with statistical analysis table) showing desensitizing effect of Df phenotype and de-sensitizing effect of IF on oldest-old N littermate males. **g** Pyruvate conversion test (normalized values, with statistical analysis table) showing promoting effect of *Ghr/bp* gene disruption and repressive effect of IF diet for female GHR-KO mice. **h** Pyruvate conversion test (normalized values, with statistical analysis table) showing no effect of either Df phenotype or IF on oldest-old males of either phenotype. All measures of central tendency are arithmetic means, and all depictions of variation (*error bars*) represent standard deviations (*SD*) (see also Figs. S29–S40)

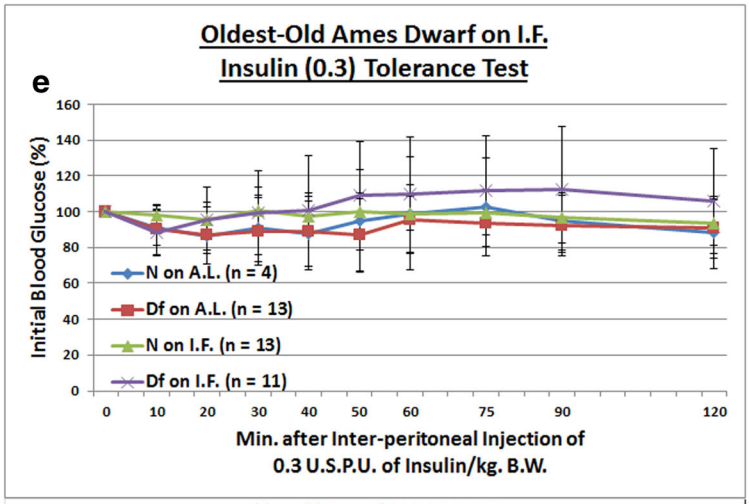


Old GHR-KO 0.1 U.S.P.U. I.T.T.							
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.
N on A.L. *vs.* KO on A.L.		0.3827	0.1719	0.0749	0.0881	0.0335	0.0256
N on A.L. *vs.* N on I.F.		0.263	0.2034	0.0898	0.0823	0.0436	0.0237
N on A.L. *vs.* KO on I.F.		0.099	0.0257	0.0017	0.0003	2.2E-05	1.5E-05
KO on A.L. *vs.* KO on I.F.		0.0392	0.0448	0.0061	0.0007	8.4E-05	1.3E-05



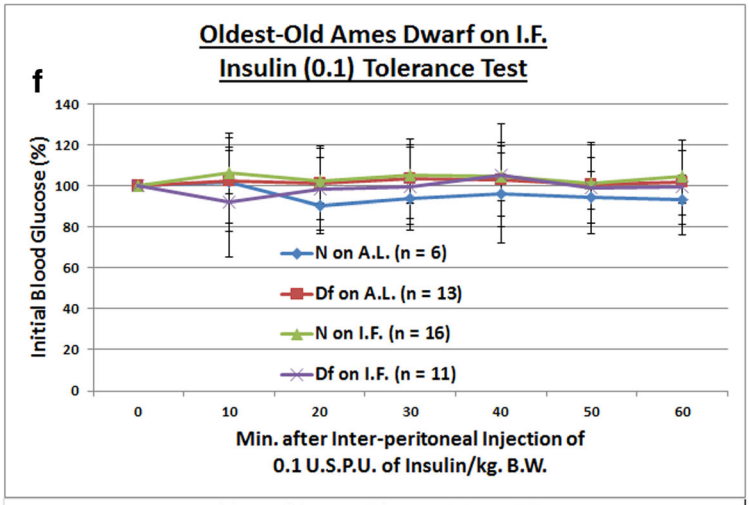
Oldest-Old Ames Df 1.0 U.S.P.U. I.T.T.										
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* Df on A.L.		0.9576	0.8686	0.5752	0.3673	0.1918	0.1153	0.0657	0.0426	0.0432
N on A.L. *vs.* N on I.F.		0.8388	0.6686	0.3256	0.1423	0.0424	0.0137	0.0037	0.0013	0.0009
N on A.L. *vs.* Df on I.F.		0.319	0.2064	0.2549	0.3044	0.4908	0.5786	0.747	0.9455	0.6257
Df on A.L. *vs.* Df on I.F.		0.0984	0.0398	0.0203	0.0102	0.0072	0.0037	0.0028	0.0056	0.0289

Fig. 6 (continued)



Oldest-Old Ames Df 0.3 U.S.P.U. I.T.T.

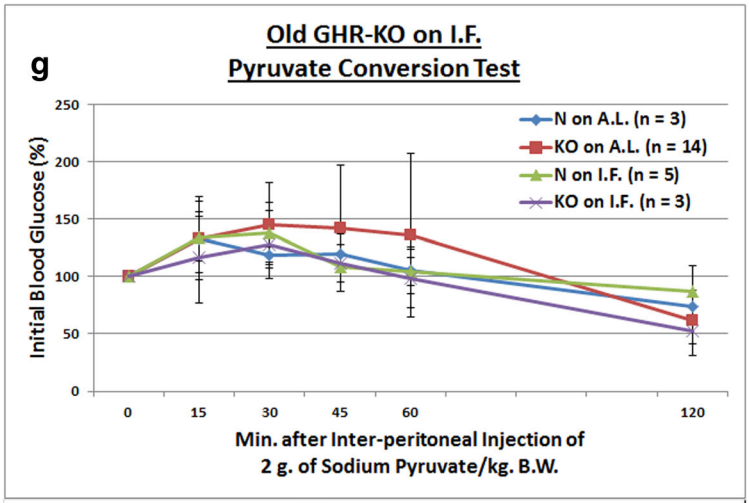
Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.	75 min.	90 min.	120 min.
N on A.L. *vs.* Df on A.L.		0.6554	0.4771	0.3932	0.315	0.4921	0.6127	0.8909	0.9508	0.8868
N on A.L. *vs.* N on I.F.		0.4748	0.2012	0.1108	0.0422	0.0463	0.0758	0.1587	0.1515	0.1104
N on A.L. *vs.* Df on I.F.		0.7692	0.6344	0.4035	0.2416	0.1541	0.1294	0.1128	0.0646	0.0334
Df on A.L. *vs.* Df on I.F.		0.2771	0.8678	0.778	0.4101	0.0722	0.0211	0.0032	0.0003	4.8E-05



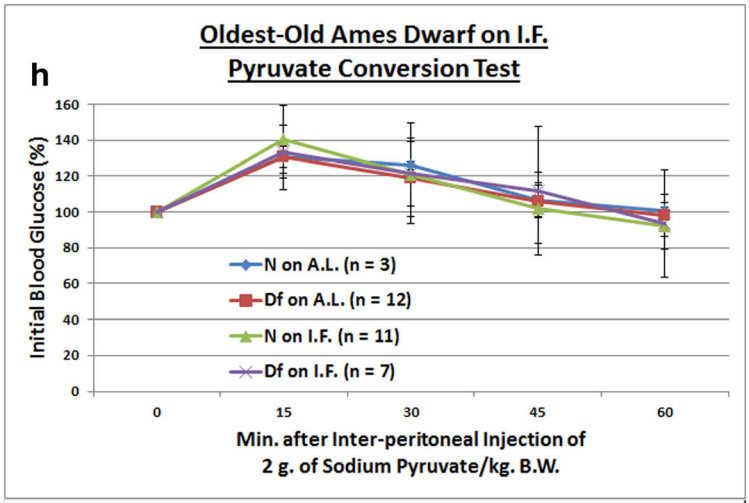
Oldest-Old Ames Df 0.1 U.S.P.U. I.T.T.

Comparison	0 min.	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.
N on A.L. *vs.* Df on A.L.		0.8851	0.2816	0.0958	0.054	0.0318	0.0098
N on A.L. *vs.* N on I.F.		0.4525	0.0588	0.0096	0.0036	0.0012	0.0002
N on A.L. *vs.* Df on I.F.		0.4661	0.9148	0.8295	0.5465	0.4573	0.3567
Df on A.L. *vs.* Df on I.F.		0.1502	0.1741	0.1344	0.2575	0.2499	0.1856

Fig. 6 (continued)

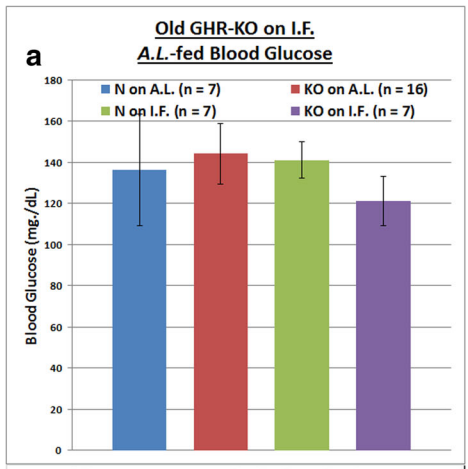


Old GHR-KO P.C.T.						
Comparison	0 min.	15 min.	30 min.	45 min.	60 min.	120 min.
N on A.L. *vs.* KO on A.L.		0.6292	0.1436	0.0655	0.034	0.0946
N on A.L. *vs.* N on I.F.		0.919	0.3317	0.3445	0.2778	0.3765
N on A.L. *vs.* KO on I.F.		0.7968	0.7264	0.6798	0.6364	0.9794
KO on A.L. *vs.* KO on I.F.		0.4302	0.3683	0.2095	0.1325	0.1556

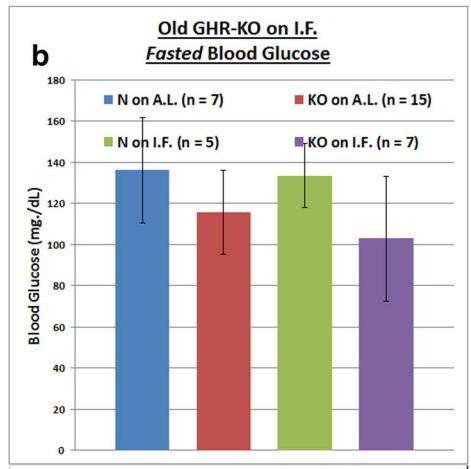


Oldest-Old Ames Df P.C.T.					
Comparison	0 min.	15 min.	30 min.	45 min.	60 min.
N on A.L. *vs.* Df on A.L.		0.8525	0.9441	0.944	0.819
N on A.L. *vs.* N on I.F.		0.7767	0.9675	0.8525	0.7478
N on A.L. *vs.* Df on I.F.		0.8893	0.9401	0.9156	0.9184
Df on A.L. *vs.* Df on I.F.		0.9471	0.9872	0.7922	0.9107

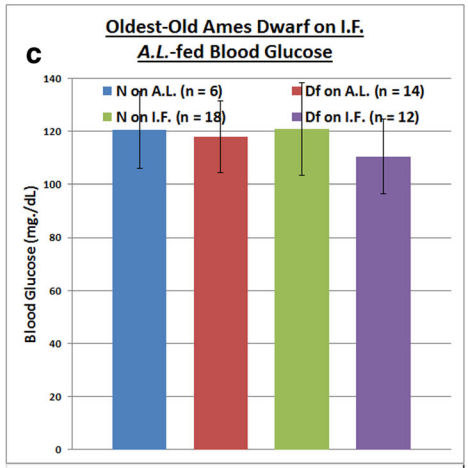
Fig. 6 (continued)



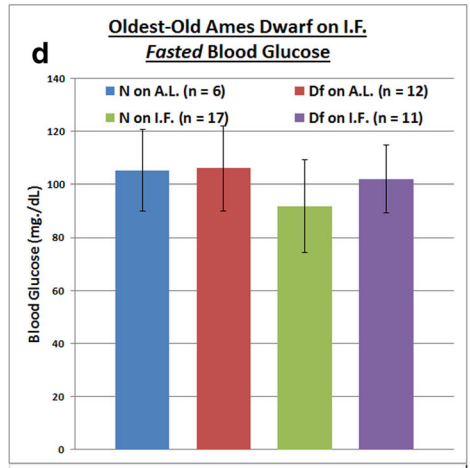
Old GHR-KO A.L.-fed Blood Glucose	
Comparison	*p*-value
N on A.L. *vs.* KO on A.L.	0.3355
N on A.L. *vs.* N on I.F.	0.5262
N on A.L. *vs.* KO on I.F.	0.2261
KO on A.L. *vs.* KO on I.F.	0.0246



Old GHR-KO Fasted Blood Glucose	
Comparison	*p*-value
N on A.L. *vs.* KO on A.L.	0.6433
N on A.L. *vs.* N on I.F.	0.3442
N on A.L. *vs.* KO on I.F.	0.1892
KO on A.L. *vs.* KO on I.F.	0.2624



Oldest-Old Ames Df A.L.-fed Blood Glucose	
Comparison	*p*-value
N on A.L. *vs.* Df on A.L.	0.488
N on A.L. *vs.* N on I.F.	0.7191
N on A.L. *vs.* Df on I.F.	0.7594
Df on A.L. *vs.* Df on I.F.	0.7024



Oldest-Old Ames Df Fasted Blood Glucose	
Comparison	*p*-value
N on A.L. *vs.* Df on A.L.	0.316
N on A.L. *vs.* N on I.F.	0.2642
N on A.L. *vs.* Df on I.F.	0.6382
Df on A.L. *vs.* Df on I.F.	0.4206

Fig. 7 Differential effects of phenotype or diet on AL-fed or fasted blood glucose concentrations at old (for GHR-KO mice) or oldestold (forAmes Dwarfs) age range. **a** AL-fed testing of old GHR-KO female mice after longer-term IF (with statistical analysis table) showing blood glucose-lowering effect of a combination of KO phenotype and IF diet for old KO littermate control females. **b** Fasted assessment of old GHR-KO females after longer-term IF (with statistical analysis table) exhibiting no blood-glucose lowering effect of either KO phenotype, IF diet, or combination of KO phenotype and IF diet. **c** AL-fed testing of oldest-old Ames Dwarf male mice after longer-term IF (with statistical analysis table) displaying no blood glucose-lowering effect of either Df phenotype, IF diet, or combination of the two factors. **d** Fasted assessment of oldest-old Ames Dwarf male mice after longer-term IF (with statistical analysis table) demonstrating no blood glucose-lowering effect of either Df phenotype, IF diet, or combination of the two. All measures of central tendency are arithmetic means, and all depictions of variation (*error bars*) represent standard deviations (*SD*)